

In the claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1 1-145. (canceled).

1 146. (currently amended) An audio data playback device comprising:

2 a headset, the headset including processing resources mounted thereon, including

3 a data processor; a data storage medium, coupled to the data processor, storing a hearing
4 profile of a customer;

5 an audio transducer, coupled to the data processor; a communication port coupled to the
6 processor;

7 logic to produce customized audio data, by processing audio data received on the
8 communication port from an external source using the hearing profile; and

9 a computer program stored on the data storage medium executable by the data processor,
10 ~~the computer program including logic to communicate with an external data processing device~~
11 ~~providing a user interface supporting an interactive process to provide the hearing profile, the~~
12 ~~interactive process including producing sounds using the audio transducer mounted on the~~
13 ~~headset, and logic to communicate with an external data processing device having a user~~
14 ~~interface by which the user provides input in response to said sounds during the interactive~~
15 ~~process to provide the hearing profile.~~

1 147. (canceled).

1 148. (previously presented) The audio data playback device of claim 146, wherein the audio
2 transducer comprises stereo speakers.

1 149-173. (canceled).

1 174. (currently amended) A method for producing a hearing profile, comprising:

2 providing a headset having an audio transducer;

coupling the headset via a communication channel to an external data processor having a user interface;

executing an interactive process using the user interface and the audio transducer on the headset to develop a hearing profile, including producing sounds using the audio transducer during the interactive process;

producing a customized audio data product using the hearing profile; and

playing the customized audio data product on the headset.

175. (original) The method of claim 174, including storing the hearing profile on the headset, and wherein the step of producing a customized audio data product comprises processing an audio data product using the hearing profile stored in the headset.

176. (original) The method of claim 174, including storing the hearing profile in a remote site.

177. (original) The method of claim 174, including producing the customized audio data product in a remote site.

178. (original) The method of claim 174, including storing the customized audio data product on a machine readable medium, and coupling the machine readable medium to the headset.

179. (original) The method of claim 174, including storing the customized audio data product on a portable data storage device, and coupling the portable data storage device to the headset.

180-188. (canceled).

189. (previously presented) The playback device of claim 146, wherein the hearing profile is provided by an interface allowing selection by the user according to personal preferences.

190. (previously presented) The playback device of claim 146, wherein the hearing profile is provided using the user interface according to a hearing test.

1 191. (previously presented) The playback device of claim 146, including a computer program
2 stored on the data storage medium executable by the processor to communicate with an external
3 data processing device providing a user interface supporting an interactive process to modify the
4 hearing profile.

1 192. (previously presented) The playback device of claim 146, wherein the communication port
2 comprises a port for a wireless communication medium.

1 193. (previously presented) The method of claim 174, wherein the interactive process includes
2 allowing selection by the user according to personal preferences.

1 194. (previously presented) The method of claim 174, wherein the interactive process includes
2 supporting a hearing test.

1 195. (previously presented) The method of claim 174, including supporting an interactive
2 process to modify the hearing profile.

1 196. (previously presented) The method of claim 174, wherein the communication port
2 comprises a port for a wireless communication medium.

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